

We claim:

1. A variable bore ram packer comprising:
  - a. an upper plate;
  - b. a lower plate;
  - c. plurality of wedge-shaped segments between the upper and lower plates;  
and
  - d. an elastomeric material between the wedge-shaped segments.
2. The packer of claim 1, wherein each of the plurality of wedge-shaped segments comprises:
  - a. a top, pie-shaped section;
  - b. a bottom, pie-shaped section; and
  - c. a rib between the top and bottom pie-shaped sections.
3. The packer of claim 2, wherein the elastomeric material fills in between the top and bottom pie-shaped sections and around the rib.
4. The packer of claim 2, wherein the top section includes a straight edge with a step therealong, adapted to mate with a complementary step along a straight edge of an adjacent top section.
5. The packer of claim 2, wherein the bottom section includes a straight edge with a

step therealong, adapted to mate with a similar step along a straight edge of an adjacent bottom section.

6. The packer of claim 2, wherein the top section defines an undersurface and further comprising a groove in the undersurface to receive the rib.

7. The packer of claim 2, further comprising:

- a. an upper pin extending from the top section;
- b. a bottom pin extending from the bottom section;
- c. a recess in the upper plate to receive the upper pin; and
- d. a recess in the lower plate to receive the bottom pin.